APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Aluminium Pistons in Motor Vehicle Cylinders, 22 pp.
by E. Koch

GERMAN, per, Aluminium, Vol XXX, No 8-9, 1954, pp 333-340.

SIA 2723

58,225

Sci - Engr

Feb 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Eddy Current Methods for Nondestructive Testing of Metallic Materials, by F. Foerster. GERMAN, per, Aluminum, Vol XXX, No 12, 1954, pp 512-516.
AEC-SCL-T-866

Sci-RRRS M/M
Jul 65

282,620

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Economics of Aluminium Cables, ~~xpx~~ 4 pp.

GERMAN, per, Aluminium, Vol XXX, No 12, Dec 1954, pp 534-535.

SIA Tr 1961

Sci - Min/Metals
Jul 57

50,046

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Phosphatising and Chromating New Surface Treatment Methods for Aluminium and its Alloys, by H. Keller.

GERMAN, per, Aluminium, Vol XXXI, No 1, 1955 pp 4-9.

T.I.L. T.4531 35,712

Sci - Minerals/Metals, Chemistry

Jun 1956

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

A New Process for Improving the Light Fastness of Organic Dyes on Anodically Oxidized Aluminium, by C. Th. Speiser, 11 pp.

GERMAN, per, Aluminium, Vol XXXI, Jan 1955, pp 8, 9.

SLA 2726

Sci - Chemistry
Oct 57

54, 483

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

XXXXX
The Use of Bohmite Layers for Protection Against Corrosion of Pure Aluminium, Refined Aluminium and Some Alloys Resistant to Corrosion, by D. Altenpohl, 27 pp.

GERMAN, per, Aluminium, Vol XXXI, No 1, 1955, pp 10-14; No 2, pp 62-69.

A.E.R.E Harwell
Tr 525

Sci - Minerals/Metals, 31959

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Investigations and Studies on Metal Bonding Agents, by G. Kaliska.

GERMAN, per, Aluminium, Vol XXXI, No 4, 1955, pp 151-156.

CSIRO

Sci - Min/Met
Aug 62

207,361

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Klopfert, A.
NEW METHODS OF FLASH-BUTT WELDING OF ALUMINUM ALLOYS. [1962] 10p. (tables, figs. refs. omitted).
Order from SLA $1.10 62-16957

Trans. of Aluminium (Germany) 1955, v. 31, no. 6, p. 260-266.

DESCRIPTORS: *Aluminum alloys, *Welding, *Flash welds, Welded joints, *Electric welding, Transparent panels

(Metallurgy, TT, v. 9, no. 1)

62-16957

1. Flash Butt welding machine
I. Klopfert, A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

New Methods of Flash-Butt Welding of Aluminum Alloys, by A. Klopfert.

GERMAN, per, Aluminium, Vol XXXI, No 6, 1955, pp 260-266.

*Redstone Arsenal, Alabama

Sci - M/M
May 63

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Kaliske, G.
STUDIES ON ADHESIVE BONDING OF METALS [PT. II]. 26 Mar 56, 9p. (figs. refs. omitted).
Order from SLA $1.10 62-18339

Trans. of Aluminium (West Germany) 1955, v. 31 [no. 6] p. 275-281.

DESCRIPTORS: *Metals, *Bonding, *Adhesives, Bonded joints, Cements, Tensile properties, Stresses, Corrosion, Fatigue (Mechanics), Sheets, Metal plates.

The article affords a survey of strength research of bonded metal joints, based on a thorough review of the pertinent literature. Furthermore, a series of experimental results dealing with cemented metal joints has been discussed. Thus influence of overlap ratio, sigma $_{0.2}$ limit of the sheet metal material, thickness of sheet, nature of surface of sheet metal, and width of
(Materials--Adhesives, TT, v. 10, no. 3) (over)

62-18339

I. Kaliske, G.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Investigation Concerning Recrystallization Behavior of Aluminum Alloys After Hot and Cold Working, by W. Rosenkranz, 5 pp.

GERMAN, per, Aluminium, Vol XXXI, No 7/8, July/Aug 1955, pp328-334.

SLA 57-2546

Sci

Aug 58

69, 863

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Eversheim, P.
INVESTIGATIONS ON THE ELECTRICAL CONDUCTIVITY OF ALUMINUM. [1962] 5p. (figs. omitted) 4 refs.
Order from SLA $1.10 62-16994

Trans. of Aluminium (Germany) 1955 [v. 31, no. 7/8] p. 338-341.

DESCRIPTORS: *Aluminum, *Electrical conductance.

(Metallurgy--Light Metals, TT, v. 9, no. 1)

62-16994

I. Eversheim, P.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Calculation of Deformation Forces in the Extrusion of Light Alloy Sections, by H. Hornauer.
UNCLASSIFIED

GERMAN, per, Aluminium, Vol XXXII, 1956, pp 350-357.

DSIR/31431/CT

Sci - Min/Met
Sep 58

TJ, 341

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Treatment of Melts in the Casting of Aluminium Ingots, by A. Roth,

GERMAN, per, Aluminium (Germany), Vol XXXI, No 10, 1955, pp 484-489, Ref: C-2111.

NRC

Sci

Aug 58

69. 865

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Why Alluminium Bearing?, by A. Buske, F. W. Rebenau, 9 pp.

GERMAN, mo per, Aluminium, Vol XXXI, No 10, 1955, pp 493-498.

A.C.S.I.L. Tr No 864

Sci - Min/metals
Mar 57 CTS/dex

44,323

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Flame-Sprayed Light Metal Bearings, by G. Vogelpohl, et al.

GERMAN, mper, Aluminium, Vol XXXI, No 11, 1955, pp 544-553.

ATS 614-GJ

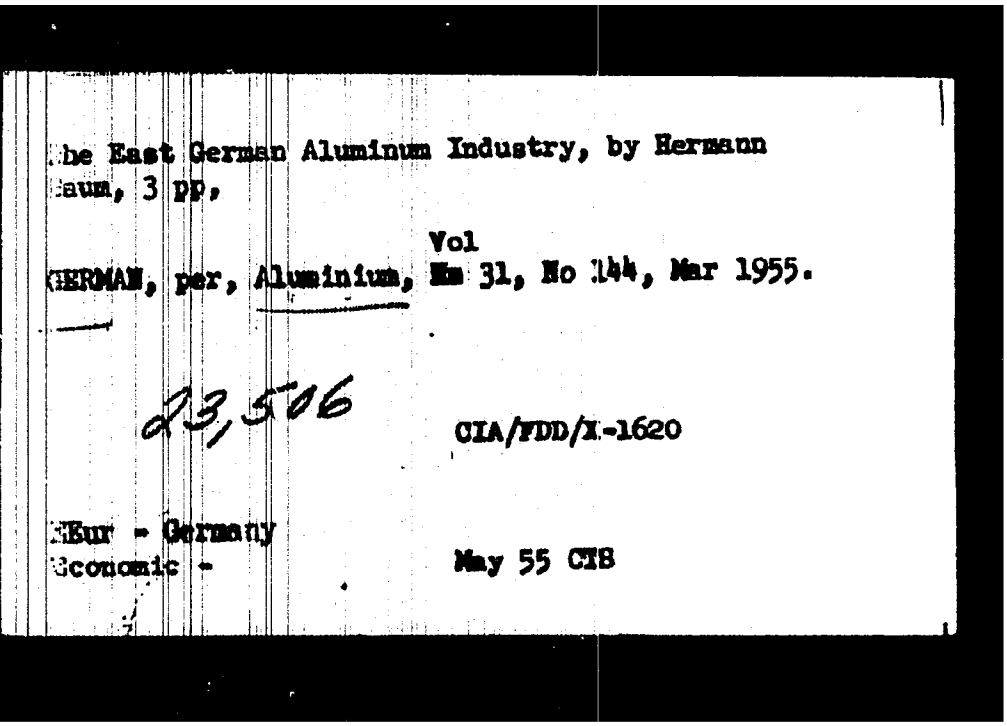
Sci - Engr

Sep 60

126,562

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8



be East German Aluminum Industry, by Hermann
aum, 3 pp,

Vol
ERMAN, per, Aluminium, Bd 31, No 144, Mar 1955.

23,506

CIA/FDD/X-1620

Eur - Germany
Economic -

May 55 CIB

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Investigations andStudies on Metal Bonding Agents, by G. Kaliske.

GERMAN, per, Aluminium, Dusseldorf, Vol XXXI, No 4, 1955, pp 151-156.

RAE Farnbourough Tr 552

Sci - Minerals/Metals 31,763

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Use of Bright Anodised Reflectal in Automobile Construction, by W. Helling, H. Neunzig, 7 pp.

GERMAN, per, Aluminium, Vol XXXI, May 1955, pp 224-226.

SLA Tr 1955

Sci - Min/Metals
Jul 57

50,039

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Hard Plating by the Eloxal Process,
by L. Bosdorf, A. Beyer.

GERMAN, per, Aluminium, Vol XXXI, No 7/8,
1955, pp 321-27.

TPA3/TIB T 4608

Sci - Minerals/Metals 32,320

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Treatment of Melts in the Casting of Aluminum Ingots, by A. Roth, 15 pp.

GERMAN, per, Aluminium, Vol XXXI, No 10, 1955, pp 484-489.

S.L.A. Tr 773/1956

Sci - Min/Metals
Oct 56 CFS

39,836

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Strain and Deflection Measurements in Light Metal Omnibuses when Stationary and in Movement, by H. Ebner.

GERMAN, Der, Aluminium, Vol XXXI, Dec 1955, pp 605-613.

ASLIB-GB160

Sci

Aug 59

95, 272

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Effect of Impurities on the Corrosion of Aluminium, by F. Brenner, F. E. Faller, 32 pp.

GERMAN, per, Aluminium, Vol XXXII, No 1, Jan 1956, pp 6-12.

SLA Tr 57-220

50,047

Sci - Min/Metals
Jul 57

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Effect of Impurities on the Corrosion Resistance of Aluminium, by P. Brenner, & F. E. Faller, E. Hoffler.

GERMAN, per, Aluminium, Vol XXXII, No 2, Feb 1956, pp 64-70.

ASLIB-GBl

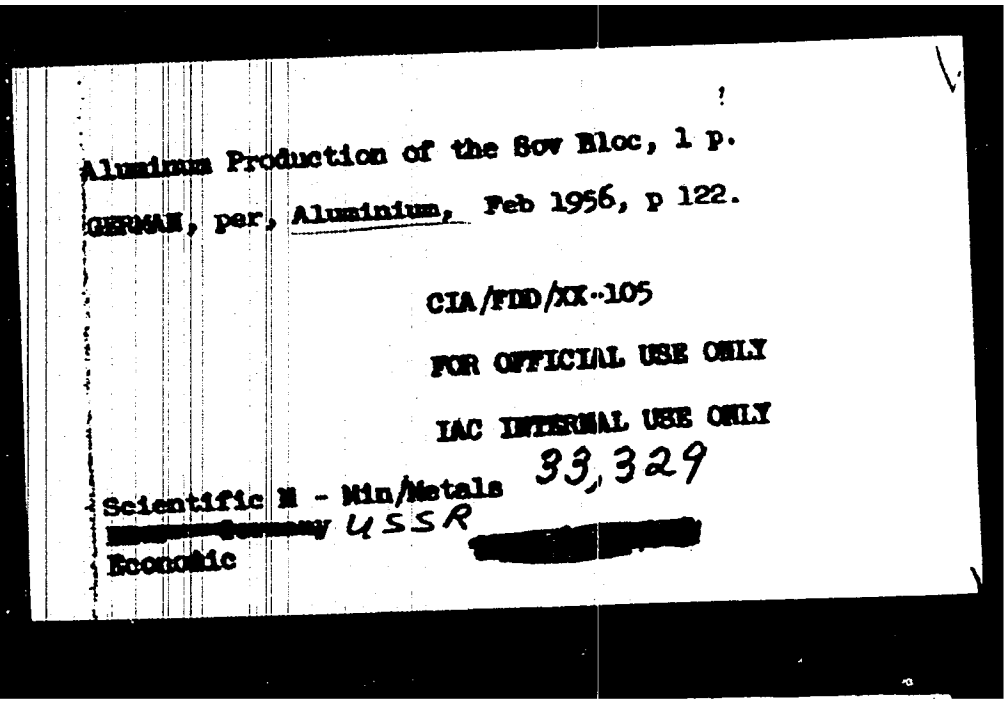
Sci

95, 709

Aug 59

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8



Aluminum Production of the Sov Bloc, 1 p.

GERMAN, per, Aluminium, Feb 1956, p 122.

CIA/FDD/XX-105

FOR OFFICIAL USE ONLY

IAC INTERNAL USE ONLY

33,329

Scientific M - Min/Metals

[redacted] USSR

Economic

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Effect of Conditions in Sulphuric Acid Anodising on the Growth and Certain Properties of the Oxide Film, by D. L. Singen, 73 pp.

GERMAN, per, Aluminium, Vol XXXII, No 3/4, March/April 1956, pp 126-135, 190-201.

SLA 57-2340

Sci

Aug 58

69, 856

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Production of Aluminum by Elimination of
The Cryolite-Alumina Fusion Electrolysis, by
H. Ginsberg, 10pp
GERMAN, per, Aluminium, Vol 32, 1956, No 3,
pp 145-146
SLA IT-64-20465

Sci - Meta
June 67

327,534

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Influence of Operating Conditions on Growth and Various Properties of the Oxide Film When Anodizing in Sulphuric Acid, by D. Lenz, 13 pp.

GERMAN, per, Aluminium, Mar 1956.

S.L.A. Tr 57-52

Sci - Engineering
May 57

47,810

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Corrosion Behavior of Pure Al as a Function of the Roughness of the Surface and the Thickness of the Eloxal Layer, by R. Lattey, H. Meunzig, 17 pp.

GERMAN to FRENCH, per, Aluminium, Vol XXXII, 1956, pp 252-256.

Reverse Translation
CEA-Tr-A-399

Jun 59

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Behaviour of Welded Aluminium Alloys of the AlZnMgl Type, by A. Muller-Busse, 21 pp.

GERMAN, per, Aluminium, Vol XXXII, No 6, 1956, pp 333-339.

SLA Tr 1811 Jan 1957

Sci - Min/Met
Apr 1957

46,296

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Resistance of Light Metal Seam Welds Under Impact With Particular Reference to Low Temperatures and Varying Impact Velocity, by M. Puschner, 12 pp.

GERMAN, per, Aluminium, Vol XXXII, No 6, Jun 1956, pp 340-343.

SLA 57-842

S-8,213

Sci - Engr

Feb 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

GERMAN, per, Aluminium, July 1956, p 462.

CIA/FDD X-2126

HUNGARY; USSR

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Effect of Grain Structure on the Fatigue Strength of Wrought Aluminium Alloys, by E. Straube.
per
GERMAN, Aluminium, Vol XXXII, No 8, 1956, pp 476-479.

ASLIB-GB1

Sci
Aug 58

70,891

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The "Frankfurter Topf" an Ideal Aluminium Muffler, by H. K. Leistritz, 9 pp.

GERMAN, per, Aluminium. Vol XXXII, No 8, Aug 1956, pp 496, 497.

S.L.A. Tr 57-~~35~~ 195

Sci - Engineering, aluminium
May 57

47, 809

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The New Radio Telescope of the Observatory of the University of Bonn, by L. Mohr.

GERMAN, per, Aluminium, Vol XXXII, No 10, Oct 1956, pp 610-616.

Navy Tr 1572/NRL-643

Sci - Electronics

Dec 57

56,029

INSpec T-1975

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Portable Light Metal Antenna-Masts, by E. Evermann and P. Kotzschke.

GERMAN, per, Aluminium, Vol XXXII, 1956, pp 617-621.

INSDOC-T1996

Sci

Aug 58

72,549

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

On the Approximate Calculation for Designing Compression Bending Rods in Light-Metal Construction, by J. Weinhold.

GERMAN, per, Aluminium, Vol. XXXII, 1956, pp 633-636.

INSDOC-1997

Sci

72,740

Aug 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Aluminum Industry in Norway, 5 pp.

GERMAN, per, Aluminium, Vol XXXII, Oct 1956, p 677.

CIA/FDD X-5204

NoEur - Norway
Economic
Nov 1956 CTB/dax

40,908

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

European Aluminium Projects, 7 pp.

GERMAN, per, Aluminium, Vol XXXII, Oct 1956, pp 679-680.

CIA/FDD X-2203

1

40,909

EEur - Yugoslavia; Hungary
FE - Japan
ME/A - Sov Bloc
Economic
Nov 1956 CTS/dex

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Bauxite, Alumina, and Aluminum in Hungary, by R. Wachtel, 5 pp.

GERMAN, per, Aluminium, Vol XXXII, Nov 1956, pp 744, 745.

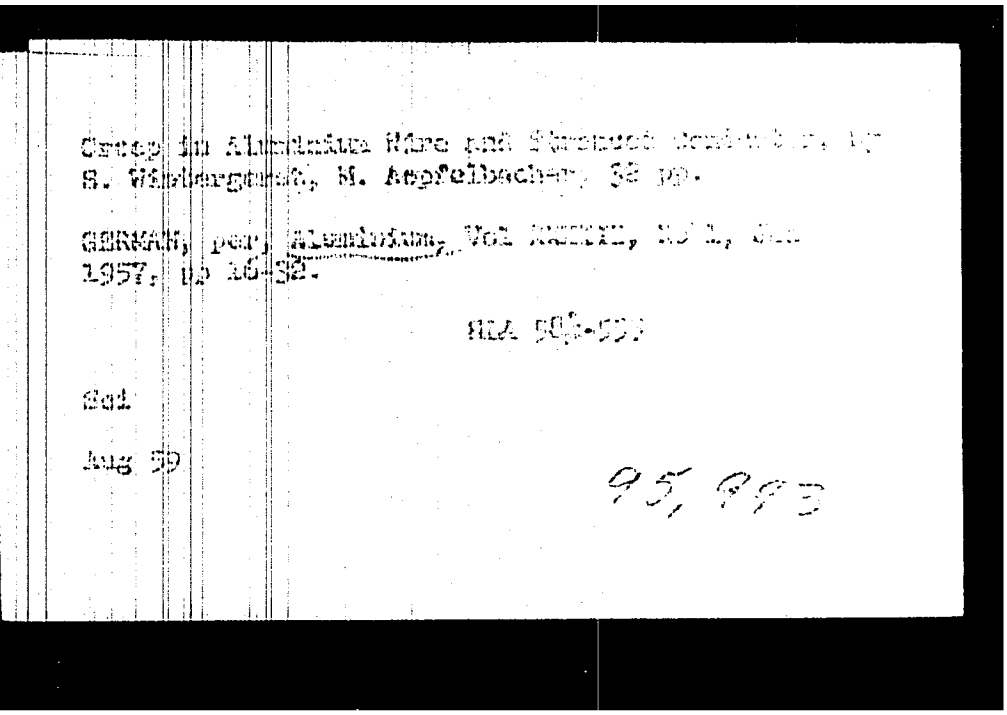
CIA/FDD X-2218

EEur - Hungary -Economic
Sci - Min/Metals
Dec 1956 CRB/dcx

41,238

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8



Creep in Aluminum Wire and Stranded Conductors, by
S. Weinberger, M. Applebacher, 32 pp.

GERMAN, per Aluminium, Vol XXXIII, No 1, Jan
1957, pp 16-32.

NSA 50-57

Sal

Aug 59

95, 893

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Studies of the Reaction between Aluminum and Water, by D. Altenrohl, 40 pp.

GERMAN, per, Aluminium, Vol XXXIII, No 2, 1957, pp 78-91.

SLA 58-43

Bci

Jul 59

92,733

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Speckled Defects in Anodized and Dyed Sheet Metal Articles and Means for Avoiding Them, by F. E. Faller, 10 pp.

GERMAN, per, Aluminum, Vol XXXIII, No 2, 1957, pp 91-94.

Engr Res and Devel Lab
Ft Belvoir, Va.

Sci - Engr

Jun 58

65, 541

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Concerning Dry Friction in Some Aluminium Alloys and Steels, by F. Bollenrath, H. Grefkes, 32 pp.

GERMAN, per, Aluminium, Vol XXXIII, 1957, pp 234-240

SLA 57-3545

Sei

Jul59

92, 714

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Recovery and Recrystallization of Aluminium:
Recent Investigations on Super-Purity and
Commercial Purity Aluminium, by D. Altenpohl.
UNCLASSIFIED
per,
GERMAN/ Aluminium, Vol XXXIII, No 5, May 1957,
pp 306-317.

Aluminium Laboratories, Ltd.
Banbury, Oxfordshire
England
B-TM-214-58 SR Tr

71,915

Soi - Min/Met
Sep 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

World Production of Aluminum, 1956, by E. Rauc'., 2 pp.

GERMAN, per, Aluminium, Vol XXXIII, p May 1957, p 355.

CIA/FDD 2511

Aug 57

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Advances in Sigma Welding Technique and Equipment, by E. Witting, 14 pp.

GERMAN, per, Aluminium, Vol XXXIII, No 6, Jun 1957, pp 372-376.

SLA 57-3302

Sci

Aug 58

72,397

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

ol The Sections of Concerned With a Single Uniform Subject are Denoted With an *, by E. Herrmann.

6, GERMAN, per, Aluminium, Vol XXXIII, No 8, 1957, pp 546-548.

Morris D. Friedman
H-101 $3.50

Sci -
Feb 58

71,931

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Resistance of Aluminium Alloys to Mortar, by E. Fischer, H. Vosskuhler, 18 pp.

GERMAN, per, Aluminium, Vol XXXIII, No 9, Sep 1957, pp 606-612.

SLA 58-2a52

Sci

Aug 59

95, 711

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

New Projects in the Aluminum Industry, 1 p.

GERMAN, per, Aluminium, Vol XXXIII, Oct 1957, pp 701, 702.

CIA/FDD X-2707

EEur - Germany
Econ
Feb 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Metal Physics Bases of Pressure Welding, by F. Erdmann-Jesnitzer, 33 pp.

GERMAN, per, Aluminium, Vol XXXIII, 1957, pp 730-739.

[redacted]
AEC SCL-T-312

Sci - Phys
Sep 60

124,844

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Electron Microscopic Study of the Subcrystalline Structures on Aluminum Surfaces Chemically Polished, by D. Altenpohl, W. Hugi, 31 pp.

GERMAN, Aluminium, Vol XXXIII, 1957, pp 774-781

AEC CEA Tr A444

Reverse Trans German to French
Feb 59

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Behaviour of Aluminium Towards Common Organic Solvents, by K. Broockmann.

GERMAN, per, Aluminium, Vol XXXIV, No 1, Jan 1958, PP 30-35.

TIL
OT/3333

Sci - Chemistry, Minerals/Metals
Jul 59

92,195

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Influence of Small Amounts of Metallic Additions to Aluminum Castings, by R. Irmann, 10 pp.

GERMAN, Per, Aluminum, 1958, Vol XXXIV, No 3, pp 120-130,

BLA 59-15074

AEC HW-TR-20

100,929

Sci
Nov 59
Vol 2, No 3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Refining of Aluminium Melts, by H. Riedelbauch,

GERMAN, per, Aluminium, Vol XXXIV, No 3,
1958, pp 130-134.

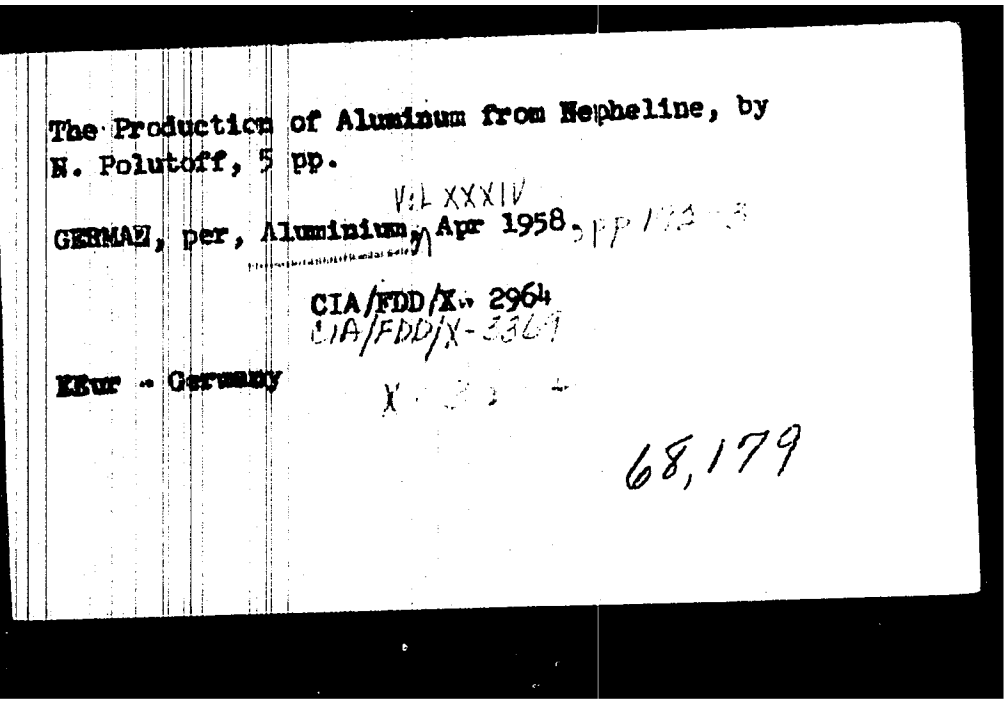
CSIRO

Sci - Min/Met
Apr 62

190,480

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8



The Production of Aluminum from Nepheline, by N. Polutoff, 5 pp.

V:L XXXIV

GERMAN, per, Aluminium, Apr 1958, pp 123-3

CIA/FDD/X- 2964
CIA/FDD/X-3364

KEur - Germany

X-23-4

68,179

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Contribution to the Bending of Aluminium Pipes and Sections, by W. Hegmann,

GERMAN, per, Aluminium, Vol XXXIV, No 5, pp 266-276. 1958

C.S.I.R.O.

Sci - Min/Met - Metallurgy

May 60

116,356

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Joining Aluminium to Other Materials, 15 pp.

GERMAN, per, Aluminium, 1958, Vol XXXIV, No 5, pp 276-279.

SLA 59-10366

Sci - Min/Met
CMB I, 12
Jul 59

92, 328

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Longitudinally Pinned Aluminum Heat Exchanger, by
Lohmann, 25 pp.

GERMAN, per, Aluminium, Vol XXXIV, No 7, 1958,
pp 410-416.

SLA 59-10851

Sci - Min/Met
Sep 59
Vol 2, No 1.

27799

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Report on the Resistance of Aluminium and Aluminium Alloys at Temperatures up to 300°C, by K. Wellinger.

GERMAN, Ber, Aluminium, No 8, 1958, pp 458-463.

C.S.I.R.O.

Sci

May 60

115767

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Structure and Strength Properties of Extruded and Drawn Flat Strips of Various Alloys of the AlMgSi-Type with Special Consideration of the Mn-content, by W. Rosenkranz,

GERMAN, per, Aluminium, No 9, pp 510-518, 1958

C.S.I.R.O.

Sci - Min/Met - Metallurgy

May 60

116,358

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Causes of Gas Absorption and Effective Gas Determining and Degassing Methods for Aluminium Alloys, by H. Kessler

GERMAN, per, Aluminium, Vol XXXIV, No 9, pp 518-521. 1958

C.S.I.R.O.

Sci - Min/Met - Metallurgy

116,357

May 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Causes de l'absorption de gaz par les alliages d'aluminium - Methodes convenables de dosage de ces gaz et de degazage de ces alliages, by H. Kessler, 16 pp.
GERMAN to FRENCH, per, Aluminium, Vol XXXIV, No 9, 1958, pp 518-521. ~~9222316~~

Reverse Translation
CEA-A-1528

Sci
Jun 64

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Behaviour of Some Light Metal Piston Alloys Under Cyclic Thermal Stress, by K. Loehberg, E. Schulz, W. Jung-Koenig, 26 p.

GERMAN, per, Aluminium, 1958, Vol XXXIV, No 11, pp 634-642.

SLA 59-17408

Sci
Feb 60
Vol 2, No 9

107011

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Echangeurs de chaleur, by F. Lohmann.

GERMAN to FRENCH, per, Aluminium, Vol XXXV, Apr 59, pp 205-216. 9203239

Reverse Translation/CEA

Sci

Apr 63

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Corrosion Resistance of Aluminium in Contact With Stainless Steel, by H. Zeiger.

GERMANY, per, Aluminium, Vol XXXV, No 7, 1959, pp 394-396.

CSIRO

Sci - Min/Met

191, 738

Apr 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Development of the Aluminum Industry in the USSR, by N. Polutoff, 10 pp.

GERMAN, per, Aluminium, Vol XXXV, Aug 1959, pp 485-487.

CIA/FDD X-3788
NOT RELEASABLE TO FOREIGN NATIONALS

USSR
Econ
Nov 59

101, 113

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

"Reactions of Sodium Phosphates With Aluminium Silicon Heats, by H. Bohm, 9 pp.

GERMAN, per, Aluminium, Vol XXXV, No 10, 1959, pp 560-563.

SLA 60-16867

Sci
Vol IV, No 7
Apr 62

192,659

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

L

Contraction and Internal Stresses in Bonded Joints, by W. Spaeth.

GERMAN, per, Aluminium, Vol XXXV, No 10, Dusseldorf, 1959, pp 576-582.

RAE 886

Sci - Engr

120,495

Jul 60

U

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

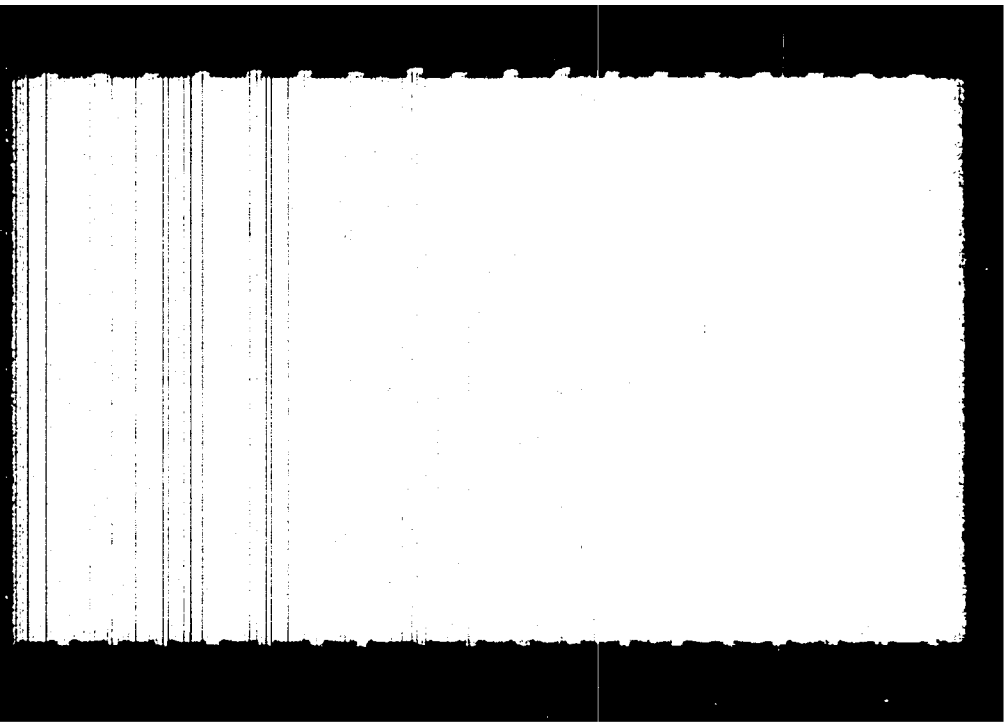
Contributions to Study of Work Hardening and Stress Relief in Aluminium and Aluminium Alloys, by F. Erdmann-Jesnitzer, H. Hadamovsky.
GERMAN, per, Aluminium, Vol 35, No 11, 1959, pp 626-632.
NRC/Ref: C-5128

Sci -
Jul 67

334,35

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8



APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Present State of Development of Aluminum Production, by Hans Ginsberg,

GERMAN, per, Aluminum, Vol XXXVI, 1960, pp 14-16.

Dept Int
TN7 E57 No 348

Sci - Min/Met
23 Mar 61

143,685

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

DYNAMIC INVESTIGATION OF GLUED METAL JOINTS, BY H. WINTER, H. MECKELBURG.

GERMAN, PER, ALUMINIUM, VOL XXXVI, NO 1, 1960, PP 17-25.

TIL T 5148

SCI - MIN/ MET

SEP62

210,230

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Significance of the Notched-bar Impact Bending Test for the Testing of Al and Al Alloys, by H. Wolf, G. Jacoby.
GSRMAF, per, Aluminium, Vol. 36, No 4, 1960, pp 186-192.
GB/163

Sci -
Jul 67

334,351

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Controle par ultrasons de toles d'aluminium et de produits manufactures en tole d'aluminium, by W. Lehfeldt, 13 pp.

GERMAN to FRENCH, per, Aluminium, Vol XXXVI, No 4, 1960, pp 195-198.

Reverse Translation
CEA-A-1077

Sci
Feb 64

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Hahn, G. and Moldenhauer, W.
INFLUENCE OF TEMPERATURE AND CONCENTRATION OF THE ELECTROLYTE ON THE FORMATION OF ANODIC FILMS. [1962] 7p. 11 refs.
Order from SLA $1.10 63-10857

Trans. of Aluminium (West Germany) 1960 [v. 36] no. 5, p. 265-267.

DESCRIPTORS: *Aluminum, *Anodes, Coatings, Films, Oxides, Production, *Electrolytes, Temperature

(Metallurgy--Light Metals, TT, v. 10, no. 1)

63-10857

I. Hahn, G.
II. Moldenhauer, W.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Principles of the Static Strength of Compounds for Gluing Metals in the Case of Tensile, Sheer and Composite Stresses, by E. A. Cornelius, G. Muller.

GERMAN, per, Aluminium, Vol XXXV, No 12, 1959, pp 695-703.

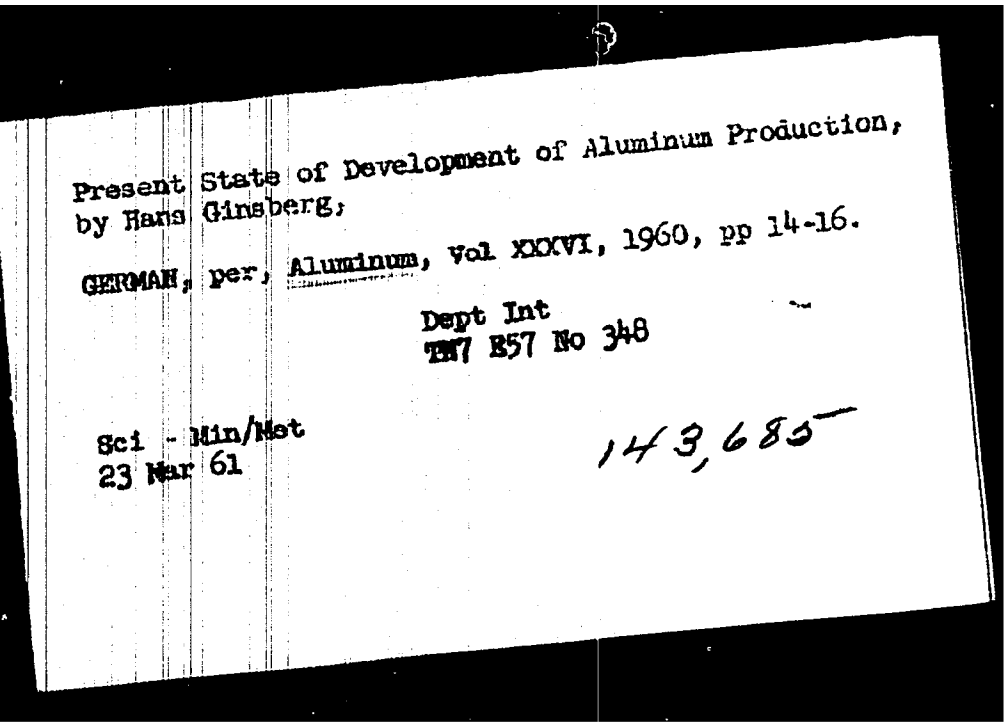
*TIL T 5146

Sci - Engr

Jan 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8



Present State of Development of Aluminum Production,
by Hans Ginsberg;

GERMAN, per, Aluminum, Vol XXXVI, 1960, pp 14-16.

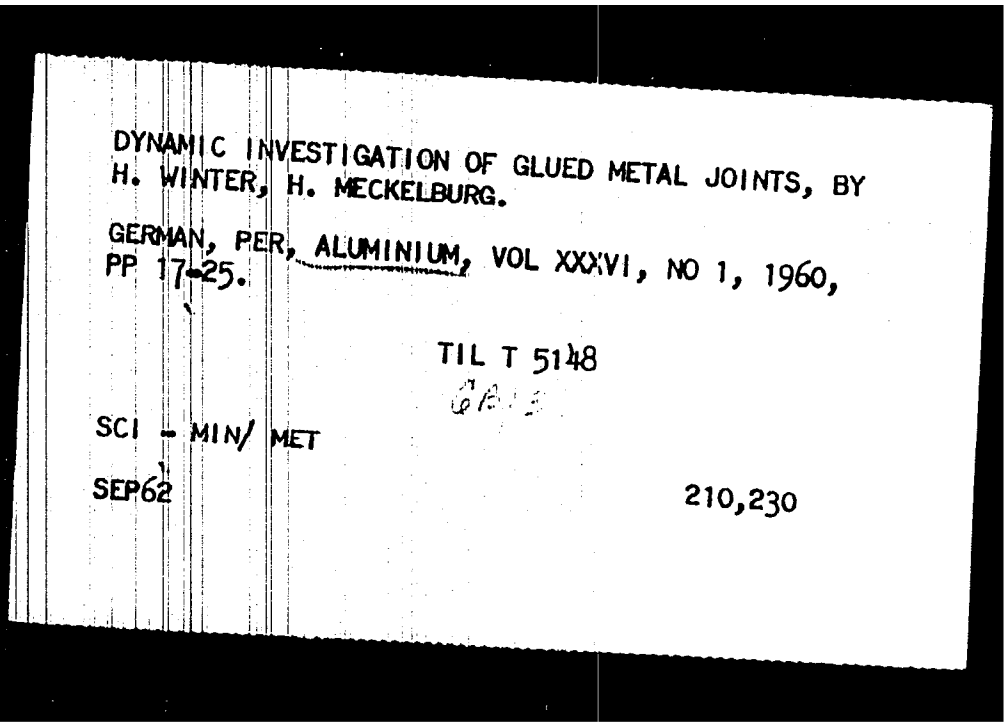
Dept Int
TN7 E57 No 348

Sci - Min/Met
23 Mar 61

143,685

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8



DYNAMIC INVESTIGATION OF GLUED METAL JOINTS, BY H. WINTER, H. MECKELBURG.

GERMAN, PER, ALUMINIUM, VOL XXXVI, NO 1, 1960, PP 17-25.

TIL T 5148

SCI - MIN/ MET

SEP62

210,230

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Significance of the Notched-bar Impact Bending Test for the Testing of Al and Al Alloys, by H. Wolf, G. Jacoby.
GERMAN, per, Aluminium, Vol. 36, No 4, 1960, pp 188-192.
GB/160

Sci -
Jul 67

338,352

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Controle par ultrasons de toles d'aluminium et de produits manufactures en tole d'aluminium, by W. Lehfeldt, 13 pp.

GERMAN to FRENCH, per, Aluminium, Vol XXXVI, No 4, 1960, pp 195-198.

Reverse Translation
CEA-A-1077

Sci
Feb 64

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Hahn, G. and Moldenhauer, W.
INFLUENCE OF TEMPERATURE AND CONCENTRATION OF THE ELECTROLYTE ON THE FORMATION OF ANODIC FILMS. [1962] 7p. 11 refs.
Order from SLA $1.10 63-10857

Trans. of Aluminium (West Germany) 1960 [v. 36] no. 5, p. 265-267.

DESCRIPTORS: *Aluminum, *Anodes, Coatings, Films, Oxides, Production, *Electrolytes, Temperature

(Metallurgy--Light Metals, TT, v. 10, no. 1)

63-10857

I. Hahn, G.
II. Moldenhauer, W.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Recent Developments in the Field of High-Gloss Aluminum, by E. Traegner, G. Kappel, 17 pp.
GERMAN, per, Aluminium (West Germany), Vol 36, No 5, 1960, pp 267-271.
ERDL-T-1852-66
AD-635 649

313,260

Sci -
Oct 66

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

All-Aluminum Radiators, by H. W. Ihmsen, 8 pp.
GERMAN, per, Aluminum (West Germany), Vol 36, No 6,
1960, pp 337-338.
ERDL-T-1850-66
AD-635 646

313.263

Sci -
Oct 66

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

61-10547

WELDING OF ALUMINIUM BY ULTRASONICS. [1960] 3p. (2 figs. omitted).
Order from SLA mi$1.80, ph$1.80 61-10547

Trans. of Aluminium (Germany) 1960, v. 36, no. 6, p. 339.

The modus operandi is described of the ultrasonic machine manufactured by Dr. Lehfeldt and Co., Heppenheim, for welding aluminum foil and thin aluminum wire, which was exhibited at the 1960 German Industrial Fair in Hannover.

(Machinery--Manufacturing, TT, v. 5, no. 7)

1. Aluminum wire--Welding
2. Aluminum foils--Welding
3. Ultrasonics--Applications

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

On the Formation of Not Completely Wear-Resistant Coatings on the Anodic Oxide Film When Adding Certain Dyes to the Sealing Bath, by F. Modic, 15 pp. GERMAN, per, Aluminium (West Germany, Vol 36, 1960, pp 457-461.
FRRL-T-1855-66
AD-635 648

313,259

Sci -
Oct 66

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Herrmann, E.
ALUMINUM WIRE BY THE PROPERZI CONTINOUS CASTING AND ROLLING PROCESS. [1961] 20p. (refs. 18 figs, omitted).
Order from SLA $1.60 61-20494

Trans. of Aluminium (Germany) 1960 [v. 36] Oct, p. 568-579.

DESCRIPTORS: *Aluminum wire, Casting, Rolling mills, Manufacturing methods, Wire.

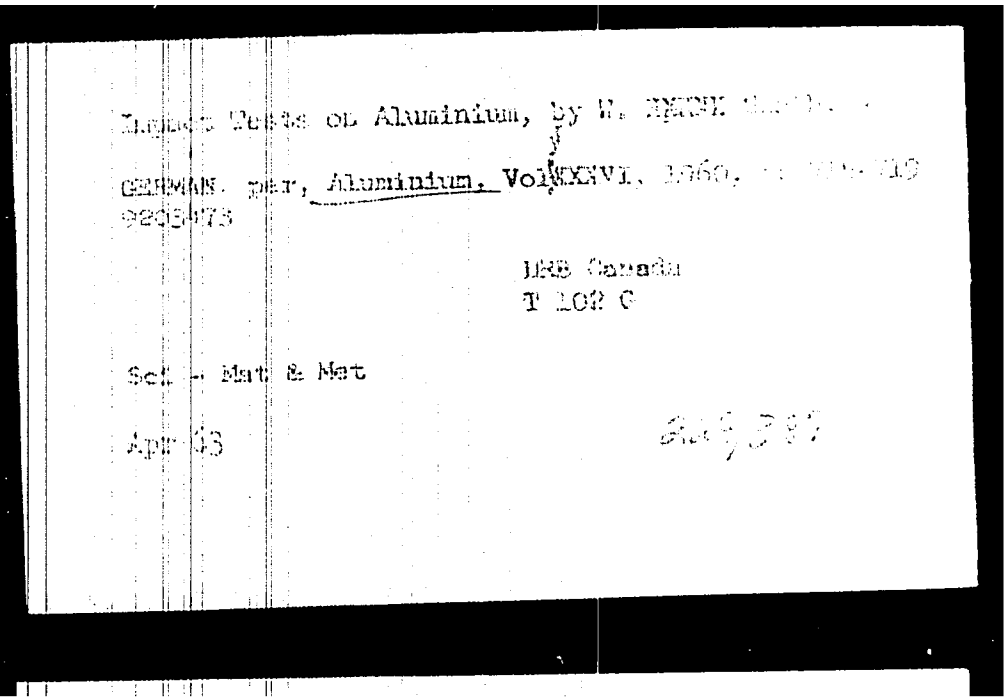
(Metallurgy--Light Metals. TT, v. 7, no. 7)

1. Title: Properzi method
I. Herrmann, E.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8



Impact Tests on Aluminium, by H. [illegible]

GERMAN. per, Aluminium, Vol XXVI, 1950, [illegible]
9203973

UES Canada
T 102 C

Sci - Mat & Met

Apr 53

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Electrothermal Production of Aluminum in the Light of Patent Literature, by E. Herrmann.

GERMAN, per. Aluminium, Vol XXXVII, No 3, 1961, pp 143-149; No 4, Apr 1961, pp 215-221.

Dept of Interior
TN7 E57 No 459

175,985

Sci - Engr

Dec 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Stroem, B. and Aronson, P. O.
FACTORS INFLUENCING THE COLOR UNIFORMITY OF ANODIZED ALUMINUM BUILDING PARTS. Paper presented at Internationale Leichtmetall Tagung (International Light Metals Conference) (no. 4) Leoben, 1961. [1962] 5p. (figs. omitted) 1 ref.
Order from SLA $1.10 63-10166

Trans. of Aluminium (West Germany) 1961 [v. 37] p. 204-205.

DESCRIPTORS: *Aluminum, *Buildings, *Panels (Structural), Colors, Electrodeposition, Oxides, Films, Reflection, Brightness, Coatings

(Metallurgy--Light Metals, TT, v. 10, no. 4)

63-10166

I. Title: Anodic coating
I. Stroem, B.
II. Aronson, P. O.
III. Title: Internationale...
IV. Title: International...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Electrolytic Refining of Aluminum Using an Organoaluminum Electrolyte, by A. Boehm, H. Ginsberg, W. Reuter.

GERMAN, per, Aluminium, Vol XXXVII, No 5, 1961, pp 267-273.

Dept of Interior
TN7 E57 No 470

181,547

Scl - M/M

Jan 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Domony, A.
CONCERNING STRUCTURE OF BARRIER LAYERS PRODUCED ON ALUMINIUM UNDER THE INFLUENCE OF HOT WATER (At 80-100°C.). 27 Feb 62, 5p. (refs.omitted)
Order from SLA $1.10

62-16226

Trans. of Aluminium (West Germany) 1961, v. 37, no. 6, p. 351-352.

DESCRIPTORS: *Aluminum compounds, *Hydroxides, *Aluminum alloys, *Powder metallurgy, Transformations, Surfaces, Microstructure, Spectrographic analysis, Transition temperature, *Corrosion inhibition, Coatings, *Corrosion, Water.

(Metallurgy--Corrosion, TT, v. 9, no. 4)

62-16226

1. Title: Böhmite
1. Domony, A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Lattice Vacancies in Aluminium, by D. Altenpohl.

GERMAN, per, Aluminium, Vol XXXVII, No 7, 1961, pp 401-411.

OT 7083

Sci - Chem

Oct 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Metallo Graphic and X-Ray Study of Precipitates in AlCuMg Alloys, by W. Gruhl.
GERMAN, per, Aluminum, Vol 37, 1961, pp 416-423.
*NTIS/NBS TT 71-55304
Available NBS Only

July 71

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Chemical Technology and Aluminum Consumption,
by Hans Ginsberg.

GERMAN, per, Aluminum, Vol XXXVII, No 8,
pp 537-541.

Dept of Interior
TN7 E57 No 485

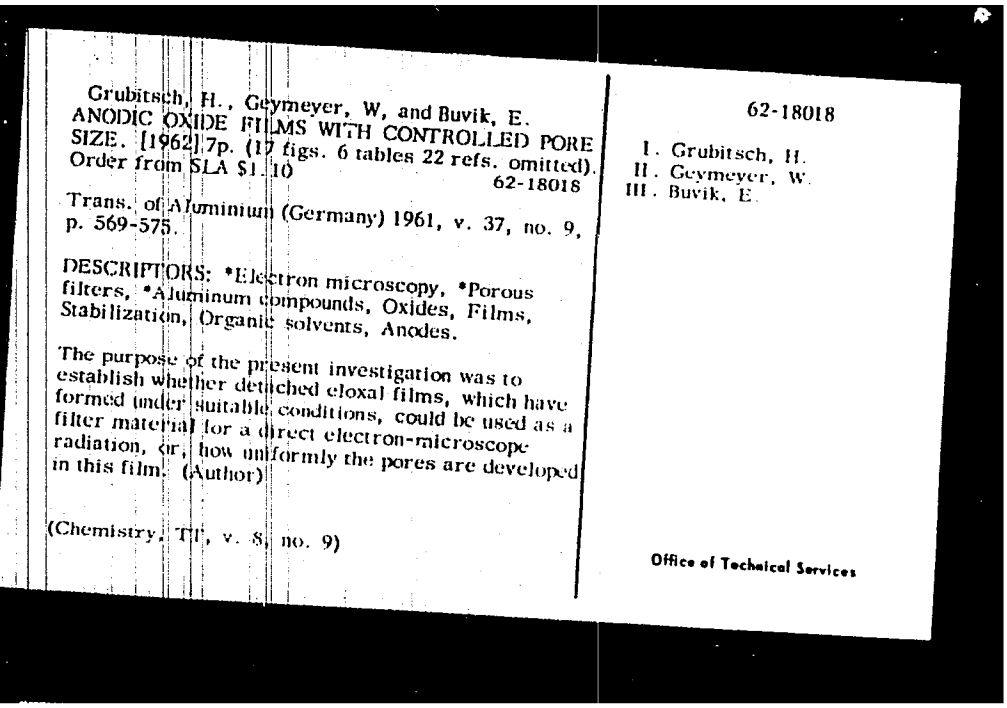
Sci - Min/Met

Apr 62

190,806

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8



Grubitsch, H., Geymeyer, W, and Buvik, E.
ANODIC OXIDE FILMS WITH CONTROLLED PORE SIZE. [1962] 7p. (17 figs. 6 tables 22 refs. omitted). Order from SLA $1.10
62-18018

Trans. of Aluminium (Germany) 1961, v. 37, no. 9, p. 569-575.

DESCRIPTORS: *Electron microscopy, *Porous filters, *Aluminum compounds, Oxides, Films, Stabilization, Organic solvents, Anodes.

The purpose of the present investigation was to establish whether detached eloxal films, which have formed under suitable conditions, could be used as a filter material for a direct electron-microscope radiation, or, how uniformly the pores are developed in this film. (Author)

(Chemistry, TT, v. 8, no. 9)

62-18018

I. Grubitsch, H.
II. Geymeyer, W.
III. Buvik, E.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

Brenner, P.
PROPERTIES AND APPLICATION OF A HEAT TREATABLE AND WELDABLE AlZnMg-ALLOY (KONSTRUKTAL 21/51). [1962] 13p. (8 figs. 13 refs. omitted).
Order from SLA $1.60 62-14833

Partial trans. of Aluminium (Germany) 1961, v. 37, no. 10, p. 633-644.

DESCRIPTORS: *Aluminum alloys, *Zinc alloys, *Magnesium alloys, Welding, Tensile properties, Elasticity, Heating, Corrosion-resistant alloys.

(Metallurgy, TT, v. 8, no. 4)

62-14833

I. Brenner, P.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8

The Radiation Behavior of Light Metals, by K. Lintner. 17 pp. FRENCH, per, Aluminium, Vol 37, 1961, pp 645-647. AEC CEA-tr-A-1818

Sci/Materials
Feb 67

318,465

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900027-8